perſe and *expand* it ſelf into a *vaſt ſpace*, if it have room enough, and infect, as it were, every part of that ſpace. But, as on the other ſide, if there be but ſome *few grains* of the liquor, it may *extract all* the colour of the tinging ſubſtance, and may *diſſolve* all the Salt, and thereby become *much more impregnated* with thoſe ſubſtances, ſo may *all* the air that ſufficed in a *rarify'd ſtate* to fill ſome *hundred thouſand* ſpaces of Æther, be compris'd in only *one*, but in a poſition proportionable *denſe*. And though we have not yet found out ſuch *ſtrainers* for Tinctures and Salts as we have for the Air, being yet unable to *ſeparate* them from their diſſolving liquors by any kind of *filtre*, without *præcipitation*, as we are able to *ſeparate* the Air from the Æther by *Glaſs*, and ſeveral other bodies. And though we are yet unable and ignorant of the ways of *præcipitating* Air out of the Æther as we can Tinctures, and Salts out of ſeveral *diſſolvents*; yet neither of theſe ſeeming *impoſſible* from the nature of the things, nor ſo *improbable* but that ſome happy future induſtry may find out ways to effect them; nay, further, ſince we find that Nature *does really perform* (though by what means we are not certain) both theſe actions, namely, by *præcipitating* the Air in Rain and Dews, and by ſupplying the Streams and Rivers of the World with freſh water, *ſtrain'd* through ſecret ſubterraneous Caverns: And ſince, that in very many other *proprieties* they do ſo exactly *ſeem* of the *ſame nature*; till further obſervations or tryals do inform us of the *contrary*, we may *ſafely enough conclude* them of the *ſame kind*. For it ſeldom happens that any two natures have ſo many properties *coincident* or the *ſame*, as I have obſerv'd Solutions and Air to have, and to be *different* in the reſt. And therefore I think it neither *impoſſible*, *irrational*, nay nor *difficult* to be able to *predict* what is *likely* to happen in other particulars alſo, beſides thoſe which *Obſervation* or *Experiment* have declared thus or thus; eſpecially, if the *circumſtances* that do often very much conduce to the variation of the effects be duly *weigh'd* and *conſider'd*. And indeed, were there not a *probability* of this, our *inquiries* would be *endleſs*, our *tryals vain*, and our greateſt *inventions* would be nothing but the meer *products* of *chance*, and not of *Reaſon*; and, like *Mariners* in an Ocean, deſtitute both of a *Compaſs* and the ſight of the *Celeſtial guids*, we might indeed, *by chance*, Steer *directly* towards our deſired Port, but 'tis *a thouſand to one* but we *miſs* our aim. But to proceed, we may hence alſo give a plain reaſon, how the Air comes to be *darkned* by *clouds*, &c. which are nothing but a kind of *precipitation*, and how thoſe *precipitations* fall down in *Showrs*. Hence alſo could I very eaſily, and I think truly, deduce the cauſe of the curious *ſixangular figures* of Snow, and the appearances of *Haloes*, *&c.* and the ſudden *thickning* of the Sky with Clouds, and the *vaniſhing* and *diſappearing* of thoſe Clouds again; for all theſe things may be very eaſily *imitated* in a *glaſs of liquor*, with ſome ſlight *Chymical preparations* as I have often try'd, and may ſomewhere elſe more largely relate, but have not now time to ſet them down. But to proceed, there are other bodies that conſiſt of particles more *Groſs*, and of a more *apt* figure for *coheſion*, and this requires a *ſomewhat greater* agitation; ſuch, I ſuppoſe ☿. *fermented vinous*

Spirits

Spirits, ſeveral *Chymical Oils*, which are much of ki
Others yet require a *greater*, as *water*, and ſo others
moſt infinite degrees: For, I ſuppoſe there are v
world that may not be made *aliquatenus* fluid, by *ſo*
agitation or heat.

Having therefore in ſhort ſet down my Notion of
in the next place to conſider what *Congruity* is; anc
being a *Relative property* of a fluid, whereby it may
unlike to this or that other body, whereby it *does*
this or that body. We will again have recourſe to
ment, though but a rude one; and here if we mix i
of ſands, ſome of *bigger*, others of *leſs* and finer bul
by the agitation the *fine ſand* will *eject* and *throw*
bigger bulks of ſmall *ſtones* and the like, and thoſe
ther all into *one* place; and if there be *other* bodies
thoſe alſo will be *ſeparated* into a place by themſelv
bled up together. And though this do not come up
ty of *Congruity*, which is a *Cohæſion* of the parts of t
a kind of *attraction* and *tenacity*, yet this does as
and ſomewhat reſemble it; for juſt after the ſan
the *pulſe* of heat to *agitate* the ſmall parcels of matte
of a *like bigneſs*, and *figure*, and *matter*, will *hold*, or
thoſe which are of a *differing* kind will be *thruſt*
tween them; for particles that are all *ſimilar*, wi
muſical ſtrings equally ſtretcht, vibrate together in a
uniſon; whereas others that are *diſſimilar*, upon wh
leſs the diſproportion be otherwiſe counter-ballanc
ſtrings out of tune to thoſe uniſons, though they hav
pulſe, yet make quite *differing* kinds of *vibrations* an
though they may be both mov'd, yet are their *vibra*
ſo *untun'd*, as 'twere to each other, that they *croſs*
other, and conſequently, *cannot agree* together, bu
other to their ſimilar particles. Now, to give you
diſproportion of ſome bodies in one reſpect, may be
a *contrary diſproportion* of the ſame body in another
find that the ſubtil *vinous ſpirit* is *congruous*, or does
ter, which in many properties is of a very *differing*
ſider that a *uniſon* may be made either by two *ſtrin*
length, and *tenſion*, or by two ſtrings of the ſame *bi*
length, and a *contrary differing tenſion*; or 3*ly*. by t
length and *bigneſs*, and of a *differing tenſion*, or of e
ring bigneſs and *tenſion*, and ſeveral other ſuch varie
properties in *ſtrings*, will correſpond *three proprietie*
particles of bodies, their *Matter* or *Subſtance*, thei
their *Body* or *Bulk*. And from the *varieties* of the
finite varieties in fluid bodies, though all agitated
brative motion. And there may be as many ways

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